Index of Authors

ADACHI, K. *see* OHYAMA, S.
ADES, A. E. Methods for estimating the incidence of primary infection in pregnancy: a reappraisal of toxoplasmosis and cytomegalovirus data, 367
ALPERS, M. P. *see* LUCAS, K. M.
ANDERSON, E. C. *see* HAMBLIN, C.
APARICIO, P., RICHARDSON, J., MARTIN, S., VINDEL A., MARPLES, R. R. and COOKSON, B. D. An epidemic methicillin-resistant strain of *Staphylococcus aureus* in Spain, 287
AVENDAÑO, L. F. *see* FERNÁNDEZ, J.
AYGEN, B. *see* TURNBULL, P. C. B.

BAGGESEN, D. L. *see* OLSEN, J. E.
BAILEY, R. L. *see* MABEY, D. C. W.
BARROW, P. A. Further observations on the serological response to experimental *Salmonella typhimurium* in chickens measured by ELISA, 231
BENNETT, M. *see* HUNTER, J. E. B.
BERTHELSEN, L. *see* SAMUELSSON, S.
BEZANSON, G. *see* MARRIE, T. J.
BICKLEY, J. *see* OWEN, R. J.
BISGAARD, M. *see* OLSEN, J. E.
BLACKWELL, C. C., TZANAKAKI, G., KREMASTINOU, J., WEIR, D. M., VAKALIS, N., ELTON, R. A., MENTIS, A. and FATOUROS, N. Factors affecting carriage of *Neisseria meningitidis* among Greek military recruits, 441
BLACKWELL, C. C. *see* TZANAKAKI, G.
BOARD, R. G. *see* DOLMAN, J.
BOARD, R. G. *see* LOCK, J. L.
BORMAN, P. *see* OWEN, R. J.
BROWN, D. J. *see* OLSEN, J. E.
BRÜSSOW, H. and SIDOTI, J. Reactivity of human serum antibody with lipopolysaccharide O78 antigen from enterotoxigenic *Escherichia coli*, 315
BUNDY, D. A. P. *see* LWAMBO, N. J. S.
BURKE, V. *see* GUNZBURG, S.
BURNENS, A. P. *see* STANLEY, J.
BURROUGHS, J. N. *see* HAMBLIN, C.

CAUL, E. O. *see* NEWMAN, C. P. ST. J.
CHAN, R. C. K. *see* SUNG, R. Y. T.
CHANG, B. *see* GUNZBERG, S.
CHANG, S.-F. *see* LIN, S.-R.
CHART, H., OKUBADEJO, O. A. and ROWE, B. The serological relationship between *Escherichia coli* O157 and *Yersinia enterocolitica* O9 using sera from patients with brucellosis, 77
CHENG, A. F. B. *see* SUNG, R. Y. T.
CHIARINI, F. *see* VISCA, P.
CHOWDRY, N. *see* STANLEY, J.
CLARKE, R. C. *see* WILSON, J. B.
CONNOLLY, J. H. *see* HUGHES, M. S.
COOKSON, B. D. *see* APARICIO, P.
COYLE, P. V. *see* HUGHES, M. S.
CRICHTON, P. B. and OLD, D. C. Numerical index of the discriminatory ability of biotyping and resistotyping for strains of *Escherichia coli*, 279

DAS, P. K., MANOHARAN, A., SUBRAMANIAN, S., RAMAIAH, K. D., PANI, S. P., RAJAVEL, A. R. and RAJAGOPALAN, P. K. Bancroftian filariasis in Pondicherry, South India – epidemiology impact of recovery of the vector population, 483

Davies, F. G., Kilelu, E., Linthicum, K. J. and Pegram, R. G. Patterns of Rift Valley fever activity in Zambia, 185
Doganay, M. *see* Turnbull, P. C. B.
Dolman, J. and Board, R. G. The influence of temperature on the behaviour of mixed bacterial contamination of the shell membrane of the hen's egg, 115
Dunn, J. P. *see* Owen, R. J.
Dunsmore, J. D. *see* Savini, G.

Ege, P. *see* Samuelsson, S.
Elton, R. A. *see* Blackwell, C. C.

Fatouros, N. *see* Blackwell, C. C.
Fernández, J., Sandino, A., Yudelevich, A., Avendaño, L. F., Venegas, A., Hinrichsen, V. and Spencer, E. Rotavirus detection by dot blot hybridization assay using a non-radioactive synthetic oligodeoxynucleotide probe, 175

Garnett, G. P. and Grenfell, B. T. The epidemiology of varicella-zoster virus infections: a mathematical model, 495
Garnett, G. P. and Grenfell, B. T. The epidemiology of varicella-zoster virus infections: the influence of varicella on the prevalence of herpes zoster, 513
García, L. *see* Pelaz, C.
Goh, K. T., Teo, S. H., Tay, L. and Monteiro, E. H. A. Epidemiology and control of an outbreak of typhoid in a psychiatric institution, 221
Goldsworthy, M. *see* Stanley, J.
Gracey, M. *see* Gunzburg, S.
Graham, S. D. *see* Hamblin, C.
Grenfell, B. T. *see* Garnett, G. P.
Gunzburg, S., Gracey, M., Burke, V. and Chang, B. Epidemiology and microbiology of diarrhoea in young Aboriginal children in the Kimberly region of Western Australia, 67
Gyles, C. L. *see* Wilson, J. B.

Hall, M. L. M. and Rowe, B. *Salmonella arizonae* in the United Kingdom from 1966 to 1990, 59
Hamblin, C., Anderson, E. C., Mellor, P. S., Graham, S. D., Mertens, P. P. C. and Burroughs, J. N. The detection of African horse sickness virus antigens and antibodies in young equidae, 193
Hart, C. A. *see* Hunter, J. E. B.
Heeren, M. C. A. *see* van Loon, A. M.
Herrero, C., Pelaz, C. and Martín-Bourgon, C. Isolation of an agent of the spotted fever group rickettsia from tick eggs in Madrid, Spain, 555
Heessen, F. W. A. *see* van Loon, A. M.
Hinrichsen, V. *see* Fernández, J.
Hofer, E. *see* Rodrigues, D. P.
Hone, J., Pech, R. and Yip, P. Estimation of the dynamics and rate of transmission of classical swine fever (hog cholera) in wild pigs, 377
Hongo, S. *see* Ohyama, S.
Hughes, M. S., Coyle, P. V. and Connolly, J. H. Enteroviruses in recreational waters of Northern Ireland, 529
Hunter, J. E. B., Shelley, J. C., Walton, J. R., Hart C. A. and Bennett, M. Apramycin resistance plasmids in *Escherichia coli*: possible transfer to *Salmonella typhimurium* in calves, 271
Hunton, C. *see* Owen, R. J.

Inoue, T. *see* Kawabata, N.
Ishihara, Y. *see* Yamashita, T.
Isomura, S. *see* Yamashita, T.

Jarvis, W. R. *see* Schable, B.
Jennings, R. *see* Walker, J.

KALLERGI, C. *see* TZANAKAKI, G.
KAWABATA, N., INOUE, T. and TOMITA, H. Removal of micro-organisms by filtration through unwoven cloth coated with a pyridinium-type polymer, 123
KHAKHRIA, R. and LIOR, H. Extended phage-typing scheme for *Campylobacter jejuni* and *Campylobacter coli*, 403
KILELU, E. *see* DAVIES, F. G.
KIRBY, F. D. *see* NEWMAN, C. P. ST. J.
KITAME, F. *see* OHYAMA, S.
KOUPPARI, G. *see* TZANAKAKI, G.
KREMASTINOU, J. *see* BLACKWELL, C. C.
KREMASTINOU, J. *see* TZANAKAKI, G.
KÜHN, I. *see* TULLUS, K.

LASTOVICA, A. *see* OWEN, R. J.
LESLIE, K. E. *see* WILSON, J. B.
LINDEQUE, P. M. *see* TURNBULL, P. C. B.
LIND, I. *see* SAMUELSSON, S.
LIN, S.-R. and CHANG, S.-F. Drug resistance and plasmid profile of shigellae in Taiwan, 87
LINTHICUM, K. J. *see* DAVIES, F. G.
LIOR, H. *see* KHAKHRIA, R.
LOCK, J. L. and BOARD, R. G. Persistence of contamination of hens' egg albumen *in vitro* with *Salmonella* serotypes, 389
LOH, G. K. *see* POH, C. L.
LOWE, P. *see* WEBBERLEY, M. J.
LUCAS, K. M., SANDERS, R. C., RONGAP, A., RONGAP, T., PINAI, A. and ALPERS, M. P. Subacute sclerosing panencephalitis (SSPE) in Papua New Guinea: a high incidence in young children, 547
LWAMBO, N. J. S., BUNDY, D. A. and MEDLEY, G. F. H. A new approach to morbidity risk assessment in hookworm endemic communities, 469

MABEY, D. C. W., BAILEY, R. L., WARD, M. E. and WHITTLE, H. C. A longitudinal study of trachoma in a Gambian village: implications concerning the pathogenesis of chlamydial infection, 343
MCEWEN, S. A. *see* WILSON, J. B.
MCLAUGHLIN, J. *see* TURNBULL, P. C. B.
MANOHARAN, A. *see* DAS, P. K.
MANSI, A. *see* VISCA, P.
MARPLES, R. R. *see* APARICIO, P.
MARRIE, T. J., HALDANE, D., BEZANSON, G. and PEPPARD, R. Each water outlet is a unique ecological niche for *Legionella pneumophila*, 261
MARTÍN-BOURGON, C. *see* PELAZ, C.
MARTIN, S. *see* APARICIO, P.
MARTÍN-BOURGON, C. *see* HERRERO, C.
MEDLEY, G. F. H. *see* LWAMBO, N. J. S.
MELIKIAN, V. *see* WEBBERLEY, M. J.
MILLER, J. M. *see* SCHABLE, B.
MELLOR, P. S. *see* HAMBLIN, C.
MELNICK, J. L. Special Article. Poliomyelitis: Eradication in sight, 1
MENTIS, A. *see* BLACKWELL, C. C.
MERTENS, P. P. C. *see* HAMBLIN, C.
MÖLLBY, R. *see* TULLUS, K.
MONTEIRO, E. H. A. *see* GOH, K. T.
MURRAY, H. G. S. *see* SUNG, R. Y. T.

NEWELL, D. G. *see* WEBBERLEY, M. J.
NEWMAN, C. P. ST. J., PALMER, S. R., KIRBY, F. D. and CAUL, E. O. A prolonged outbreak of ornithosis in duck processors, 203
NGUYEN-VAN-TAM, J. S. and NICHOLSON, K. G. Influenza deaths in Leicestershire during the 1989–90 epidemic: implications for prevention, 537

NAKAMURA, K. *see* OHYAMA, S.
NICHOLSON, K. G. *see* NGUYEN-VAN-TAM, J. S.
NISHIMURA, H. *see* OHYAMA, H.
NOKES, D. J. *see* WALKER, J.

OCAMPO, J. C. *see* POH, C. L.
OHYAMA, S., ADACHI, K., SUGAWARA, K., HONGO, S., NISHIMURA, H., KITAME, F. and NAKAMURA, K. Antigenic and genetic analysis of eight influenza C strains isolated in various areas of Japan during 1985–9, 353
OKUBADEJO, O. A. *see* CHART, H.
OLD, D. C. *see* CRICHTON, P. B.
OLSEN, J. E., BROWN, D. J., BAGGESEN, D. L. and BISGAARD, M. Biochemical and molecular characterization of *Salmonella enterica* serovar *berta*, and comparison of methods for typing, 243
ORSI, N. *see* VISCA, P.
ØRSKOV, I. *see* TULLUS, K.
OWEN, R. J., BICKLEY, J., LASTOVICA, A., DUNN, J. P., BORMAN, P. and HUNTON, C. Ribosomal RNA gene patterns of *Helicobacter pylori* from surgical patients with healed and recurrent peptic ulcers, 39

PALMER, S. R. *see* NEWMAN, C. P. ST. J.
PANI, S. P. *see* DAS, P. K.
PECH, R. *see* HONE, J.
PEGRAM, R. G. *see* DAVIES, F. G.
PELAZ, C., GARCÍ, L. and MARTÍN-BOURGON, C. Legionellae isolated from clinical and environmental samples in Spain (1983–90): monoclonal typing of *Legionella pneumophila* serogroup 1 isolates, 397
PELAZ, C. *see* HERRERO, C.
PEPPARD, R. *see* MARRIE, T. J.
PINAI, S. *see* LUCAS, K. M.
POH, C. L., OCAMPO, J. C. and LOH, G. K. Genetic relationships among *Neisseria gonorrhoeae* serovars analysed by multilocus enzyme electrophoresis, 31

RAJAGOPALAN, P. K. *see* DAS, P. K.
RAJAVEL, A. R. *see* DAS, P. K.
RAMAIAH, K. D. *see* DAS, P. K.
RHODEN, D. L. *see* SCHABLE, B.
RIBEIRO, R. V. *see* RODRIGUES, D. P.
RICHARDSON, R. R. *see* APARICIO, P.
ROBERTSON, I. D. *see* SAVINI, G.
RODRIGUES, D. P., RIBEIRO, R. V. and HOFER, E. Analysis of some virulence factors of *Vibrio vulnificus* isolated from Rio de Janeiro, Brazil, 463
RONGAP, A. *see* LUCAS, K. M.
RONGAP, T. *see* LUCAS, K. M.
ROWE, B. *see* CHART, H.
ROWE, B. *see* HALL, M. L. M.

SAKAE, K. *see* YAMASHITA, T.
SAMUELSSON, S., EGE, P., BERTHELSEN, L. and LIND, I. An outbreak of serogroup B: 15:P1.16 meningococcal disease, Frederiksborg county, Denmark, 1987–9, 19
SANDERS, R. C. *see* LUCAS, K. M.
SANDINO, A. *see* FERNÁNDEZ, J.
SAVINI, G., DUNSMORE, J. D., ROBERTSON, I. D. and SENEVIRATNA, P. The epidemiology of *Sarcocystis* spp. in cattle of Western Australia, 107
SCHABLE, B., RHODEN, D. L., JARVIS, W. R. and MILLER, J. M. Prevalence of serotypes of *Xanthomonas maltophila* from world-wide sources, 337
SHARMA, R. and WOLDEHIWET, Z. Class-specific antibodies to bovine respiratory syncytial virus in experimentally infected lambs, 135

SHELLEY, J. C. *see* HUNTER, J. E. B.
SIDOTI, J. *see* BRÜSSOW, H.
SPENCER, E. *see* FERNÁNDEZ, J.
STANLEY, J., BURNENS, A. P., THRELFALL, E. J., CHOWDRY, N. and GOLDSWORTHY, M. Genetic relationships among strains of *Salmonella enteritidis* in a national epidemic in Switzerland, 213
SUBRAMANIAN, S. *see* DAS, P. K.
SUGAWARA, K. *see* OHYAMA, S.
SUNG, R. Y. T., CHAN, R. C. K., TAM, J. S., CHENG, A. F. B. and MURRAY, H. G. S. Epidemiology and aetiology of acute bronchiolitis in Hong Kong infants, 147

TAM, J. S. *see* SUNG, R. Y. T.
TAY, L. *see* GOH, K. T.
TEO, S. H. *see* GOH, K. T.
THRELFALL, E. J. *see* STANLEY, J.
TOMITA, H. *see* KAWABATA, N.
TULLUS, K., KÜHN, I., ØRSKOV, I., ØRSKOV, F. and MÖLLBY, R. The importance of P and type 1 fimbriae for the persistence of *Escherichia coli* in the human gut, 415
TURNBULL, P. C. B., DOGANAY, M., LINDEQUE, P. M., AYGEN, B., MCLAUGHLIN, J. Serology and anthrax in humans, livestock and Etosha National Park wildlife, 299
TZANAKAKI, G., BLACKWELL, C. C., KREMASTINOU, J., KALLERGI, C., KOUPPARI, G. and WEIR, D. M. Antibiotic sensitivities of *Neisseria meningitidis* isolates from patients and carriers in Greece, 449
TZANAKAKI, G. *see* BLACKWELL, C. C.

VAKALIS, N. *see* BLACKWELL, C. C.
VAN DER LOGT, J. T. M. *see* VAN LOON, A. M.
VAN LOON, A. M., VAN DER LOGT, J. T. M., HEESSEN, F. W. A., HEEREN, M. C. A. and ZOLL, J. Antibody-capture enzyme-linked immunosorbent assays that use enzyme-labelled antigen for detection of virus-specific immunoglobulin M, A and G in patients with varicella or herpes zoster, 165
VENEGAS, A. *see* FERNÄNDEZ, J.
VETRIANI, C. *see* VISCA, P.
VINDEL, A. *see* APARICIO, P.
VISCA, P., CHIARINI F., MANSI, A., VETRIANI, C., SERINO, L. and ORSI, N. Virulence determinants in *Pseudomonas aeruginosa* strains from urinary tract infections, 323

WALKER, J., NOKES, D. J. and JENNINGS, R. Longitudinal study of toxoplasma seroprevalence in South Yorkshire, 99
WALTON, J. R. *see* HUNTER, J. E. B.
WALTNER-TOEWS, D. *see* WILSON, J. B.
WARD, M. E. *see* MABEY, D. C. W.
WEBBERLEY, J. M. *see* WEBBERLEY, M. J.
WEBBERLEY, M. J., WEBBERLEY, J. M., NEWELL, D. G., LOWE, P. and MELIKIAN, V. *Seroepidemiology of Heliobacter pylori* infection in vegans and meat-eaters, 457
WEIR, D. M. *see* BLACKWELL, C. C.
WEIR, D. M. *see* TZANAKAKI, G.
WHITTLE, H. C. *see* MABEY, D. C. W.
WILSON, J. B., MCEWEN, S. A., CLARKE, R. C., LESLIE, K. E., WILSON, R. A., WALTNER-TOEWS, D. and GYLES, C. L. Distribution and characteristics of verocytotoxigenic *Escherichia coli* isolated from Ontario dairy cattle, 423
WILSON, R. A. *see* WILSON, J. B.
WOLDEHIWET, Z. *see* SHARMA, R.

YAMASHITA, T., SAKAE, K., ISHIHARA, Y. and ISOMURA, S. A 2-year survey of the prevalence of enteric viral infections in children compared with contamination in locally-harvested oysters, 155
YIP, P. *see* HONE, J.

YUDELEVICH, A. *see* FERNÁNDEZ, J.

ZAMAN, R. Campylobacter enteritis in Saudi Arabia, 51
ZOLL, J. *see* VAN LOON, A. M.

Index of Subjects

Aboriginal, epidemiology and microbiology of diarrhoea in young, children in the Kimberly region of Western Australia, 67
African horse sickness virus, the detection of, antigens and antibodies in young equidae, 193
Anthrax, serology and, in humans, livestock and Etosha National Park Wildlife, 299

Bovine respiratory syncytial virus, class-specific antibodies to, in experimentally infected lambs, 135
Bronchiolitis, epidemiology and aetiology of acute, in Hong Kong infants, 147
Brucellosis, the serological relationship between *Escherichia coli* O157 and *Yersinia enterocolitica* O9 using sera from patients with, 77

Campylobacter coli, extended phage-typing scheme for *Campylobacter jejuni* and, 403
Campylobacter enteritis in Saudi Arabia, 51
Campylobacter jejuni, extended phage-typing scheme for, and *Campylobacter coli*, 403
Cytomegalovirus, methods for estimating the incidence of primary infection in pregnancy: a reappraisal of toxoplasmosis and, data, 367

Diarrhoea, epidemiology and microbiology of, in young Aboriginal children in the Kimberley region of Western Australia, 67

Egg, the influence of temperature on the behaviour of mixed bacterial contamination of the shell membrane of the hen's, 115
Enteric viral infections, a 2-year survey of the prevalence of, in children compared with contamination in locally-harvested oysters, 155
Enteroviruses in recreational waters of Northern Ireland, 529
Escherichia coli, apramycin resistance plasmids in: possible transfer to *Salmonella typhimurium* in calves, 271
Escherichia coli, distribution and characteristics of verocytotoxigenic, isolated from Ontario dairy cattle, 423
Escherichia coli, numerical index of the discriminatory ability of biotyping and resistotyping for strains of, 279
Escherichia coli, reactivity of human serum antibody with lipopolysaccharide O78 antigen from enterotoxigenic, 315
Escherichia coli, the importance of P and type 1 fimbriae for the persistence of, in the human gut, 415
Escherichia coli, the serological relationship between, O157 and *Yersinia enterocolitica* O9 using sera from patients with brucellosis, 77

Filariasis, bancroftian, in Pondicherry, South India – epidemiological impact of recovery of the vector population, 483
Filtration, removal of micro-organisms by, through unwoven cloth coated with a pyridinium-type polymer, 123

Helicobacter pylori, ribosomal RNA gene patterns of, from surgical patients with healed and recurrent peptic ulcers, 39
Helicobacter pylori, seroepidemiology of, infection in vegans and meat-eaters, 457
Herpes zoster, antibody-capture enzyme-linked immunosorbent assays that use enzyme-labelled antigen for detection of virus-specific immunoglobulin M, A and G in patients with varicella or, 165
Hookworm, a new approach to morbidity risk assessment in, endemic communities, 469

Influenza C, antigenic and genetic analyses of eight, strains isolated in various areas of Japan during 1985–9, 353

Influenza deaths in Leicestershire during the 1989–90 epidemic: implications for prevention, 537

Legionella pneumophila, each water outlet is a unique niche for, 261
Legionella pneumophila, legionellae isolated from clinical and environmental samples in Spain (1983–90): monoclonal typing of, serogroup 1 isolates, 397

Meningococcal disease, an outbreak of serogroup B:15:P1.16, Frederiksborg county, Denmark, 1987–9, 19

Neisseria gonorrhoeae, genetic relationships among, serovars analysed by multilocus enzyme electrophoresis, 31
Neisseria meningitidis, antibiotic sensitivities of, isolates from patients and carriers in Greece, 449
Neisseria meningitidis, factors affecting carriage of, among Greek military recruits, 441

Ornithosis, a prolonged outbreak of, in duck processors, 203
Oysters, a 2-year survey of the prevalence of enteric viral infections in children with contamination in locally-harvested, 155

Poliomyelitis: Eradication in sight, 1
Pseudomonas aeruginosa, virulence determinants in, strains from urinary tract infections, 323

Rift Valley fever, patterns of, activity in Zambia, 185
Rotavirus detection by dot blot hybridization assay using a non-radioactive synthetic oligodeoxynucleotide probe, 175

Salmonella arizonae in the United Kingdom from 1966 to 1990, 59
Salmonella enteritidis, genetic relationships among strains of, in a national epidemic in Switzerland, 213
Salmonella, persistence of contamination of hens' egg albumen *in vitro* with, serotypes, 389
Salmonella typhimurium, apramycin resistance plasmids in *Escherichia coli*: possible transfer to, in calves, 271
Salmonella typhimurium, further observations on the serological response to experimental, in chickens measured by ELISA, 231
Sarcocystis, the epidemiology of, spp. in cattle of Western Australia, 107
Shigellae, drug resistance and plasmid profile of, in Taiwan, 87
Spotted fever, isolation of an agent of the, group rickettsia from tick eggs in Madrid, Spain, 555
Staphylococcus aureus, an epidemic methicillin-resistant strain of, in Spain, 287
Subacute sclerosing panencephalitis (SSPE) in Papua New Guinea: a high incidence in young children, 547
Swine fever, estimation of the dynamics and rate of transmission of classical, (hog cholera) in wild pigs, 377

Toxoplasma, longitudinal study of, seroprevalence in South Yorkshire, 99
Toxoplasmosis, methods for estimating the incidence of primary infection in pregnancy: a reappraisal of, and cytomegalovirus data, 367
Trachoma, a longitudinal study of, in a Gambian village: implications concerning the pathogenesis of chlamydial infection, 343
Typhoid, epidemiology and control of an outbreak of, in a psychiatric institution, 221

Varicella, antibody-capture enzyme-linked immunosorbent assays that use enzyme-labelled antigen for detection of virus-specific immunoglobulin M, A and G in patients with, or herpes zoster, 165
Varicella-zoster, the epidemiology of, virus infections: a mathematical model, 495
Varicella-zoster, the epidemiology of, virus infections: the influence of varicella on the prevalence of herpes zoster, 513

Vibrio vulnificus, analysis of some virulence factors of, isolated from Rio de Janeiro, Brazil, 463

Xanthomonas maltophilia, prevalence of serotypes of, from world-wide sources, 337

Yersinia enterocolitica, the serological relationship between *Escherichia coli* O157 and, O9 using sera from patients with brucellosis, 77